

How to change: VW Passat 3C B6 Variant rear coil springs – replacement guide

 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
VW PASSAT (3C2) 2.0 TDI, VW PASSAT (3C2) 2.0 TDI 4motion, VW PASSAT Variant (3C5) 2.0 TDI

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – VW PASSAT 3C5. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Replacement: coil springs – Passat B6 3C Variant. AUTODOC recommends:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

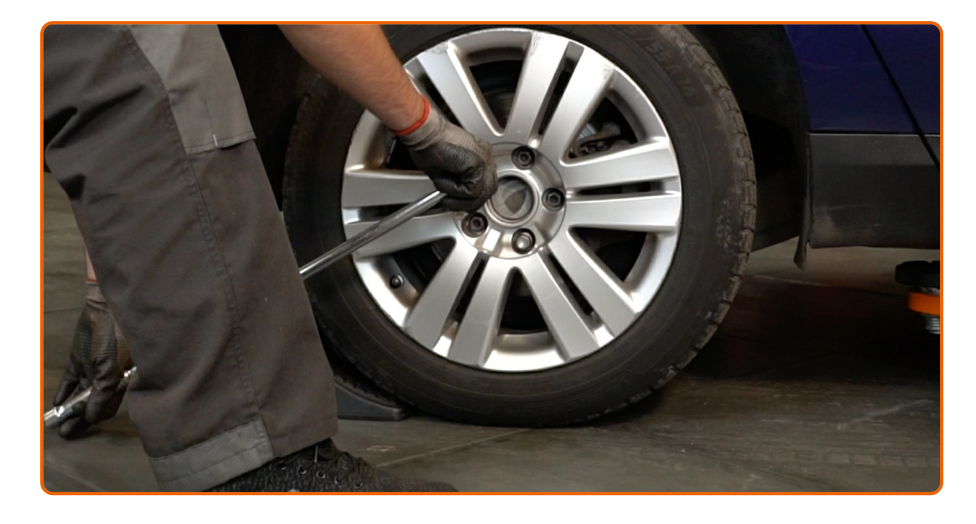
REPLACEMENT: COIL SPRINGS – VW PASSAT VARIANT B6. RECOMMENDED SEQUENCE OF STEPS:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the rear of the car and secure on supports.

4

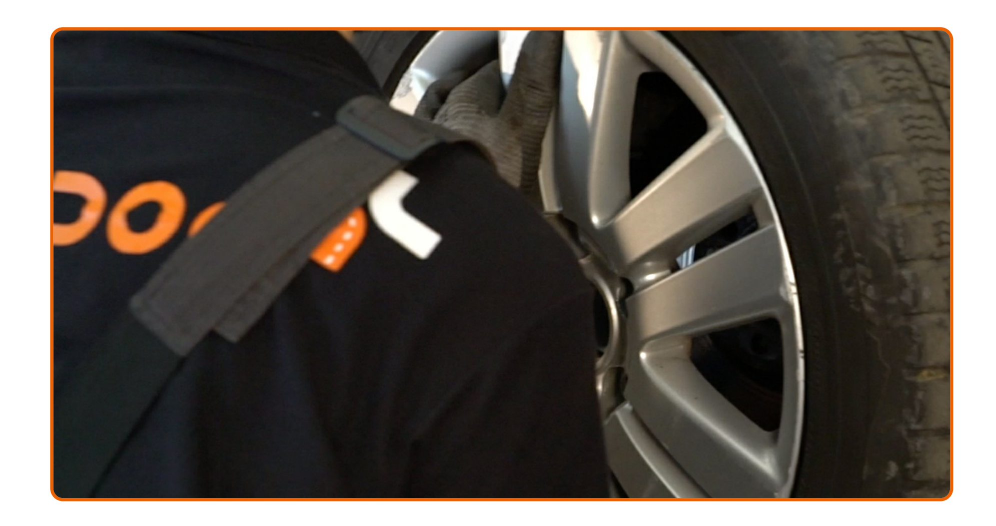


Unscrew the wheel bolts.

Replacement: coil springs – Passat B6 3C Variant. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

7



Make a mark on the camber adjustment bolt.



8



Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

9



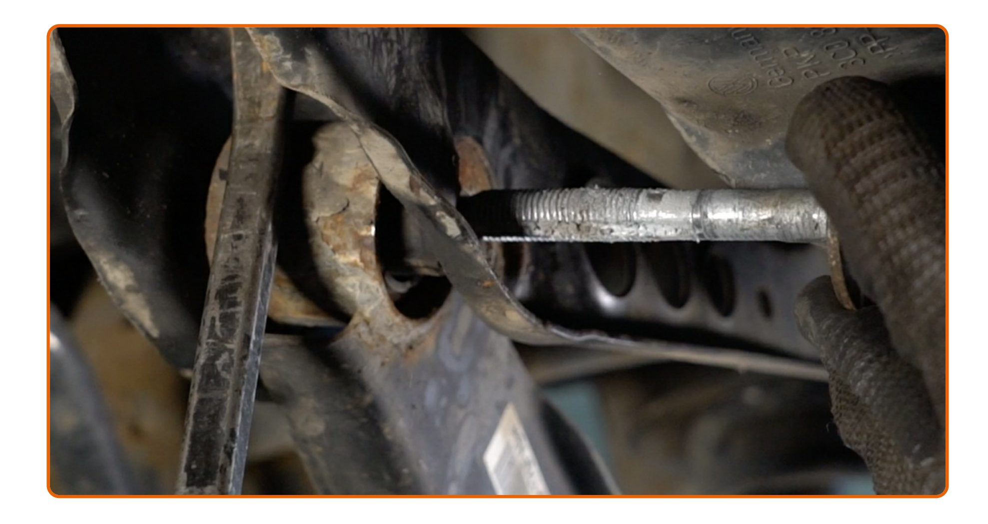
Support the arm. Use a hydraulic transmission jack.

10



Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

11



Remove the fastening bolt. Use a crowbar.

12

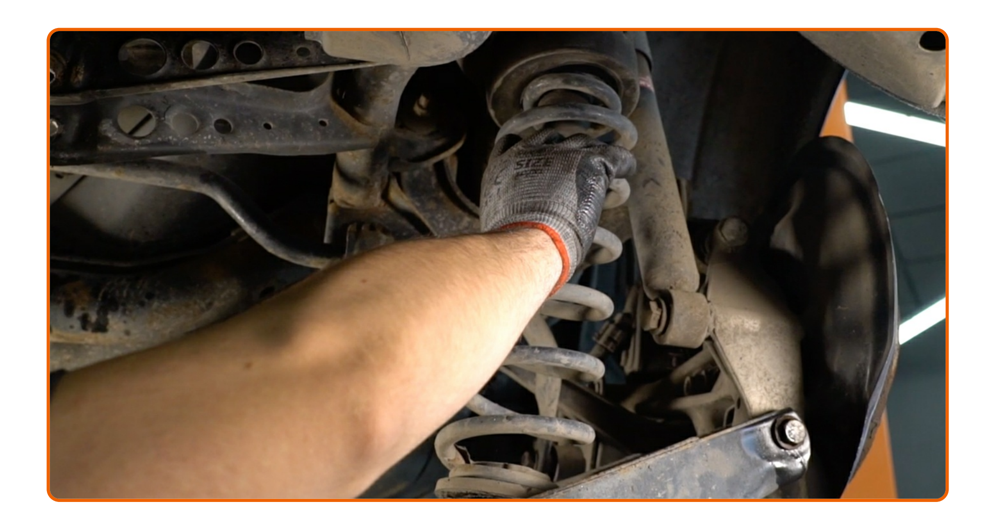


Remove the support from under the arm.

AUTODOC recommends:

- Replacement: coil springs – Passat 3C5. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

13



Remove the spring.



14



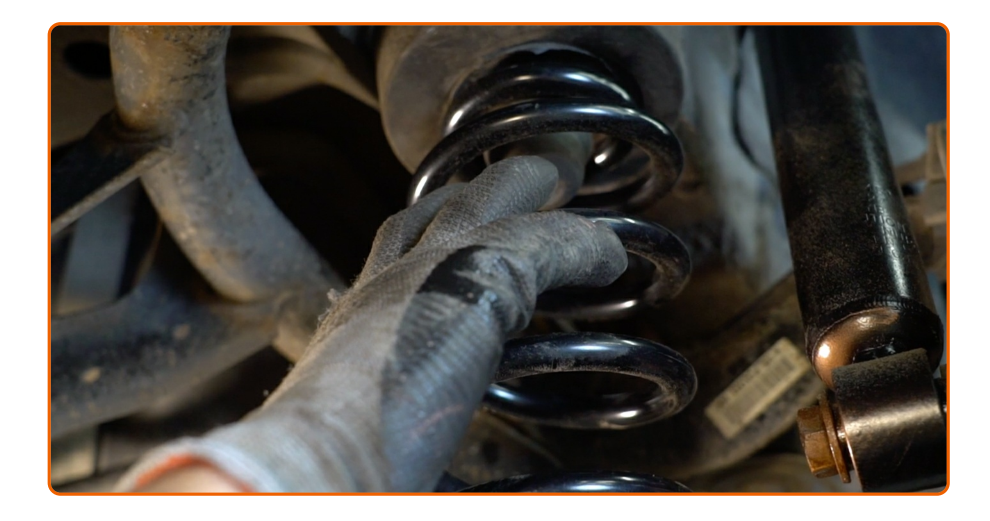
Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

15



Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.

16



Install the coil spring together with the rubber mounts into the mounting seats.

17



Support the arm. Use a hydraulic transmission jack.



18



Install the fastening bolt. Use a crowbar.

19



Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

20

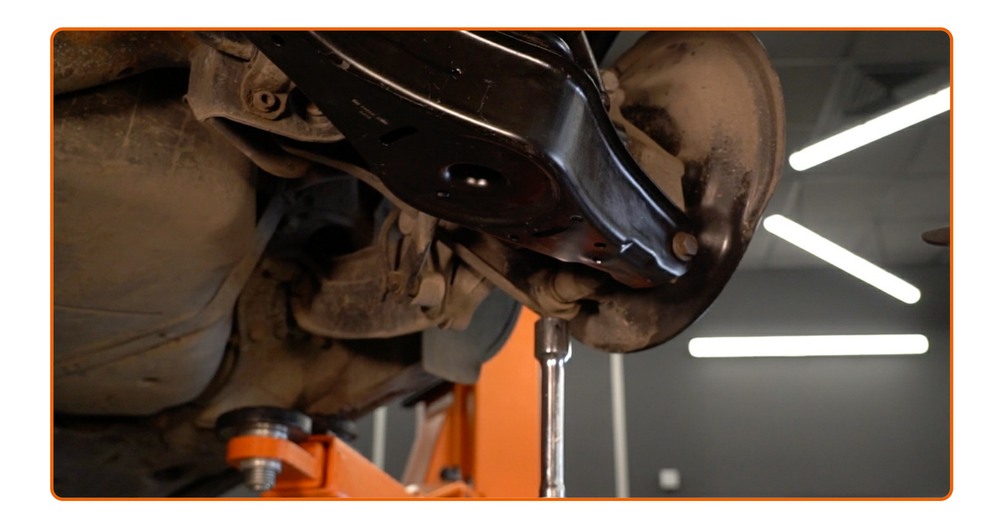


Remove the support from under the arm.

Replacement: coil springs – VW Passat 3C5. AUTODOC experts recommend:

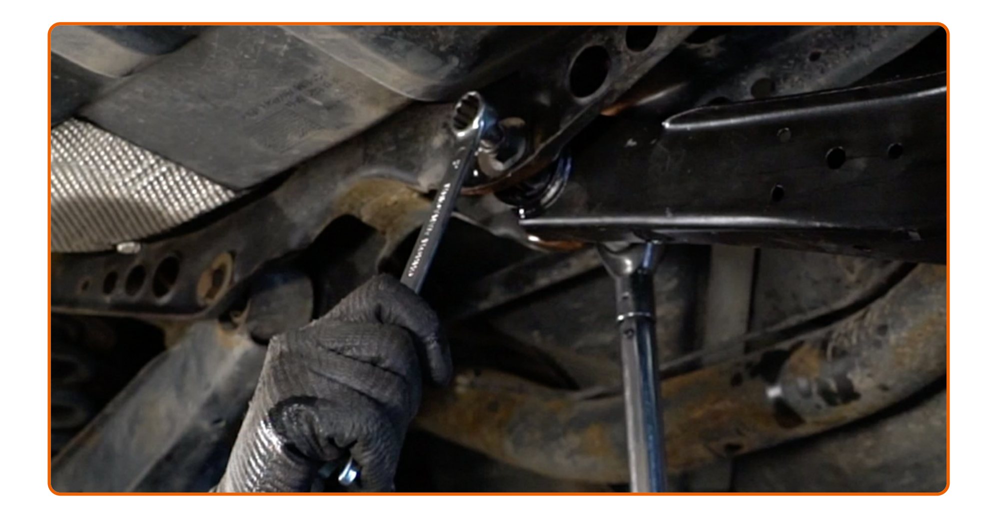
- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

21



Support the stub axle. Use a hydraulic transmission jack.

22



Tighten the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.

23



Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.

24

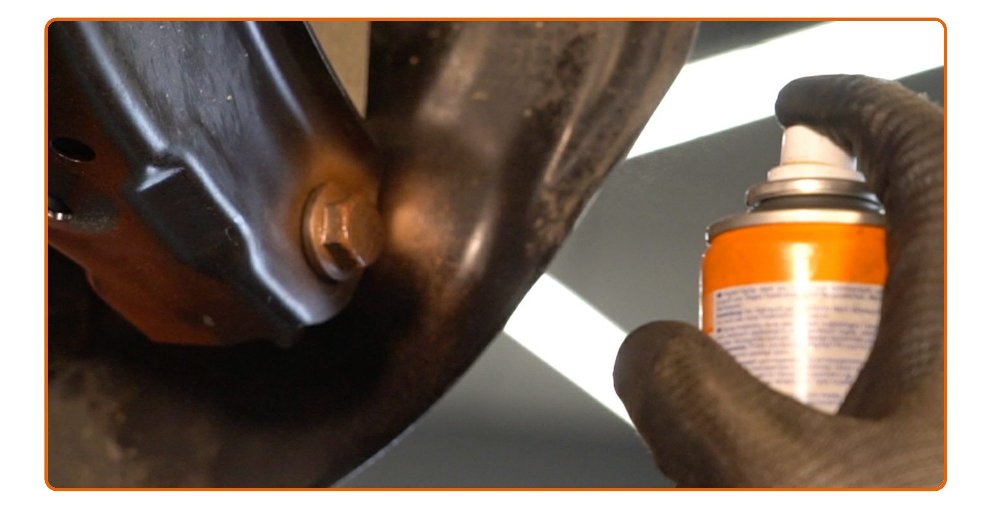


Remove the support from under the stub axle.

Replacement: coil springs – VW Passat B6 3C Variant. Tip from AUTODOC:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

25



Treat all joints of the arm. Use copper grease.

26



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

27



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: coil springs – VW Passat 3C B6 Variant. After applying the spray, wait a few minutes.

28



Install the wheel.

Replacement: coil springs – Passat Variant B6. Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

29



Screw in the wheel bolts. Use wheel impact socket #17.

30



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

31



Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO

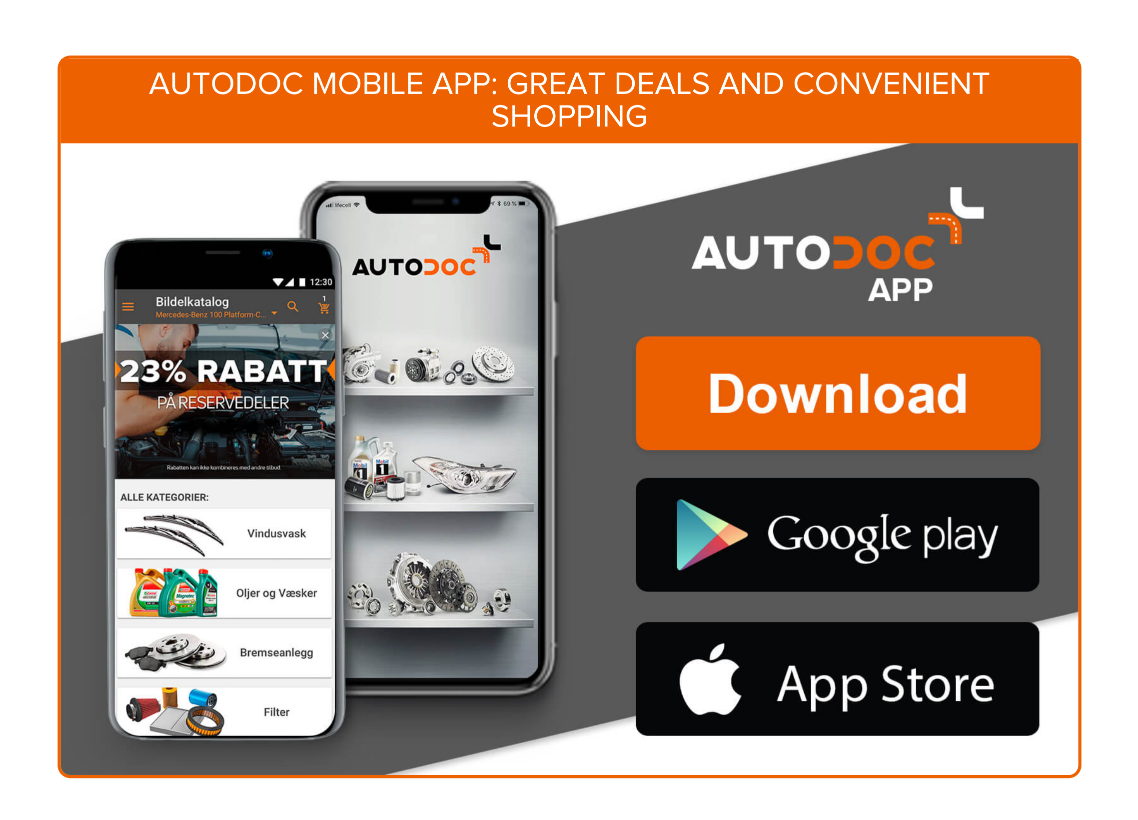


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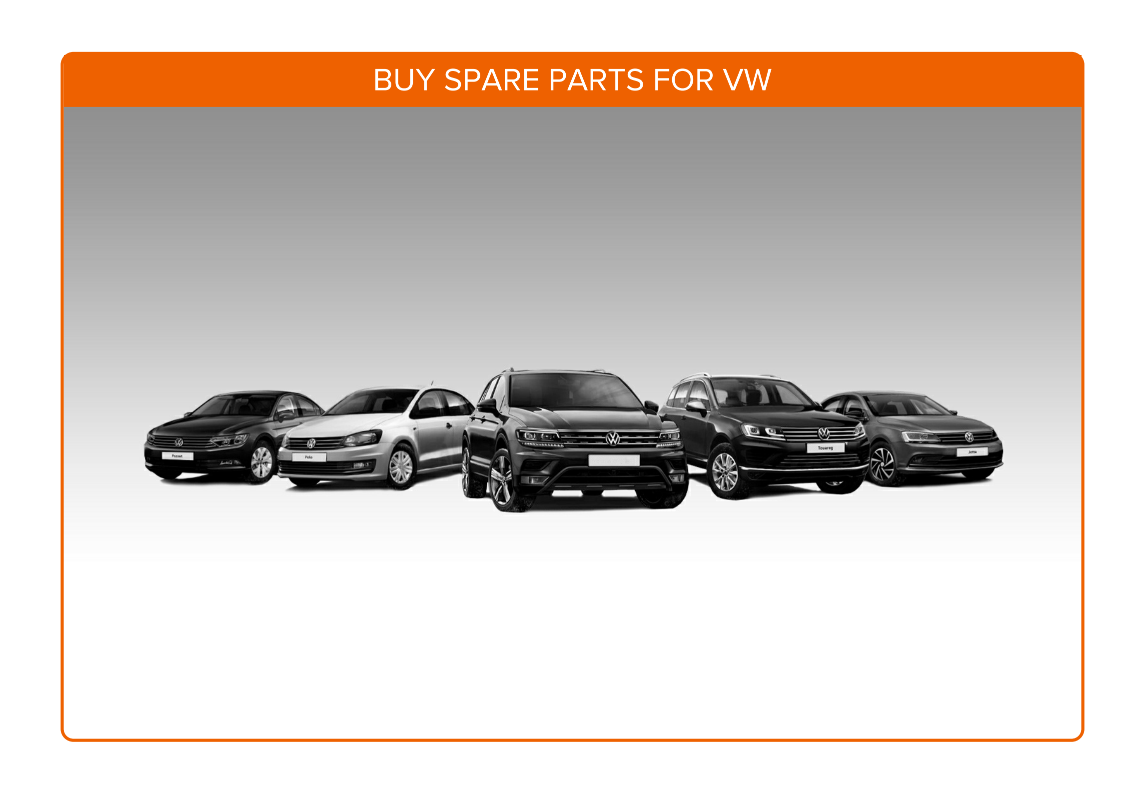
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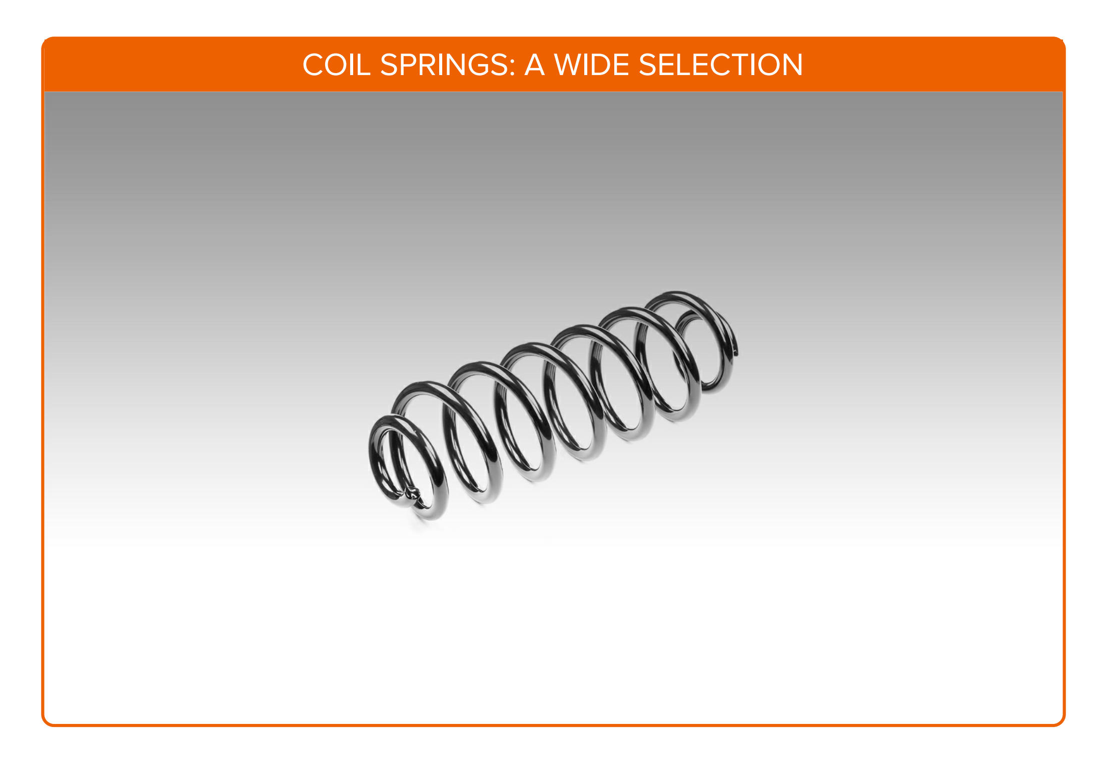


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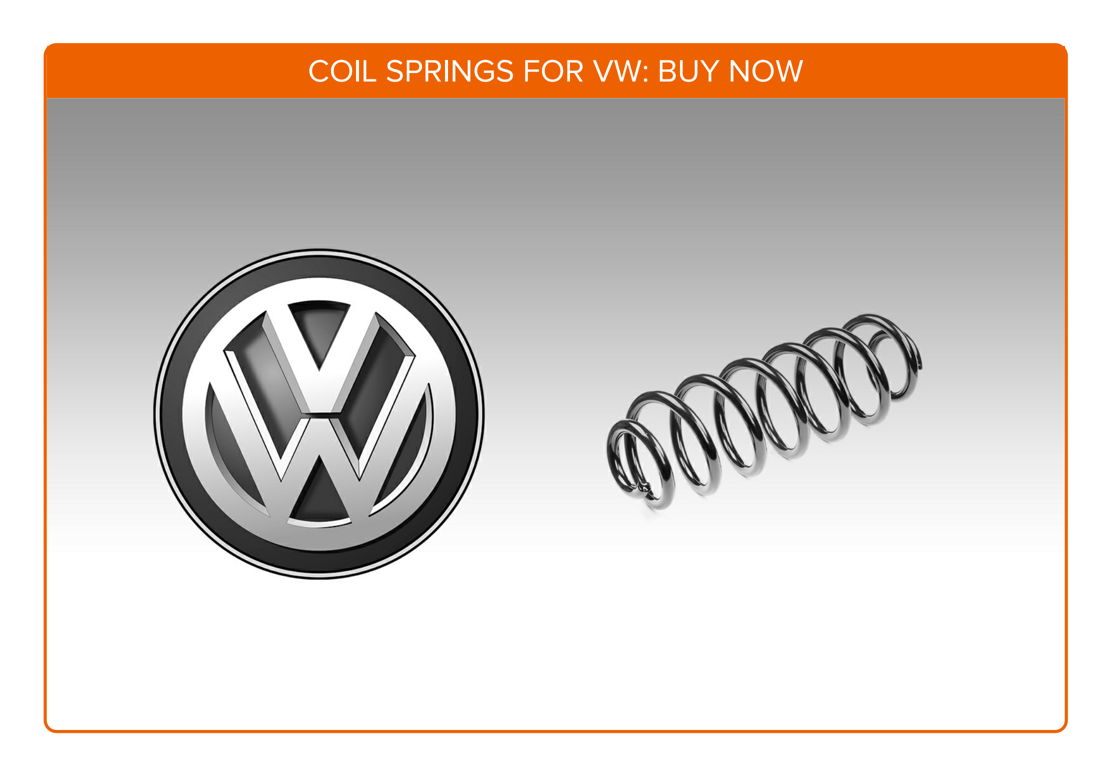



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